

Title (en)
Dyes for optical recording medium

Title (de)
Farbstoffe für optische Speichermedien

Title (fr)
Colorant pour support d'enregistrement optique

Publication
EP 1587093 A3 20060419 (EN)

Application
EP 05102631 A 20050404

Priority
JP 2004118344 A 20040413

Abstract (en)
[origin: EP1587093A2] A recording material for a medium used for the recording film of a write-once type information recording disk (28) equipped with a transparent resin substrate (20) on which concentric or spiral grooves (21) were formed and a recording film (24) which was formed on the grooves, characterized in that it is formed by one organic coloring matter having an anion portion and a coloring matter portion in which the maximum absorption wavelength zone exists at a longer wavelength side than the wavelength of short wavelength laser beam irradiated on the recording film and forms a record mark on the recording film by irradiation of the short wavelength laser beam, and the record mark has a higher optical reflection coefficient than the optical reflection coefficient of the recording film before irradiation of the short wavelength laser beam. This material realizes so-called Low to High property.

IPC 8 full level
B41M 5/26 (2006.01); **C09B 23/14** (2006.01); **C09B 69/06** (2006.01); **G11B 7/24035** (2013.01); **G11B 7/244** (2006.01); **G11B 7/2467** (2013.01); **G11B 7/2472** (2013.01); **G11B 7/249** (2013.01); **G11B 7/2495** (2013.01)

CPC (source: EP KR US)
B41M 5/40 (2013.01 - KR); **C09B 69/06** (2013.01 - EP US); **G11B 7/2467** (2013.01 - EP US); **G11B 7/2472** (2013.01 - EP US); **G11B 7/2495** (2013.01 - EP US); **G11B 7/2534** (2013.01 - EP US); **G11B 7/259** (2013.01 - EP US); **G11B 2007/24612** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
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DOCDB simple family (application)
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